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United States Patent [19]**Takagi**[11] **Patent Number:** **5,111,503**[45] **Date of Patent:** **May 5, 1992**[54] **PORTABLE TELEPHONE SET**[75] **Inventor:** Hisamitsu Takagi, Inagi, Japan[73] **Assignee:** Fujitsu Limited, Kawasaki, Japan[21] **Appl. No.:** 741,630[22] **Filed:** Aug. 7, 1991[30] **Foreign Application Priority Data**

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[51] **Int. Cl.⁵** H04M 1/00; E05D 7/10;
E05D 11/10; E05F 1/08[52] **U.S. Cl.** 379/433; 16/260;
16/296; 16/336[58] **Field of Search** 379/433, 434; 16/260,
16/296, 336; 403/93; 455/89, 90[56] **References Cited****U.S. PATENT DOCUMENTS**

770,595	9/1904	Lovette	16/260
1,095,701	5/1914	Bronson	16/296
4,018,998	4/1977	Wegner	379/433
4,645,371	2/1987	Wang	403/93
4,845,772	7/1989	Metroka et al.	379/433
4,897,873	1/1990	Beutler et al.	379/433

FOREIGN PATENT DOCUMENTS

0164743	8/1988	Japan	379/434
63-164743	8/1988	Japan	379/434

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A portable telephone set having a cover attached rotatably to a body. When closed, the cover covers and protects a switch portion of the telephone set, while when opened, it is held in a stable position at a predetermined angle relative to the body by means of a cover holding mechanism. The cover is held with respect to the body by the cover holding mechanism so that the cover is disengaged from the body when it is about to be opened forcibly beyond an allowable range of its rotation. Since the cover when opened can function as a sound collector, it is possible to provide a microphone on the body side and attain the reduction in size of the portable telephone set.

6 Claims, 5 Drawing Sheets